

[0115] Comparative results of the mean pixel density can be found in table II.

TABLE II

Mean pixel density of representative blots from the four analysed species.					
Coordinate	Analyte	MEAN PIXEL DENSITY			
		Human	Dog	Cat	Horse
A7, A8	Angiogenin	16843	0	0	86
B5, B6	Chitinase 3-like 1	22816	0	521	13
B7, B8	Complement Factor	11286	74	0	95
B21, B22	Emmprin	6109	1775	431	1055
C5, C6	Endoglin	13619	0	335	0
C11, C12	FGF-7	11032	0	20	0
C13, C14	FGF-19	5339	170	284	343
C19, C20	GDF-15	13684	142	133	78
D11, D12	IGFBP-2	17762	12412	3225	10783
D13, D14	IGFBP-3	8568	0	71	4
E7, E8	IL-8	8153	0	227	37
E21, E22	IL-17A	4800	311	709	870
G7, G8	MCP-1	20066	37	768	2006
G13, G14	MIF	15445	0	4358	159
G23, G24	MMP-9	3980	400	373	514
H5, H6	PDGF-AA	1731	150	3482	65
H9, H10	Pentraxin 3	10306	8	555	85
H23, H24	SDF-1 α	6486	1146	609	629
I1, I2	Serpin E1	26138	6871	2264	837
I15, I16	Thrombospondin-1	18335	14541	17516	49
I21, I22	VEGF	10296	10239	1095	941

[0116] In view of these results, it is thus clear that MSCs from different origins provide different conditioned media under a qualitative and quantitative view point.

[0117] The inventors of the present invention have surprisingly found that conditioned media obtained from dogs is particularly effective for the treatment of skin diseases such as atopic dermatitis and psoriasis not only in animals but also in human beings. The success in the xenogeneic use from dogs to humans, is not obvious. Moreover, the success is not obvious given the high phylogenetic divergence that exist between the two species.

Example 3. Clinical and Veterinary Results with the Composition of the Invention

[0118] 1st Case. Treatment of Atopic Dermatitis in a Dog

[0119] An eight years old Pekingese with a cutaneous disease, an atopic dermatitis that caused a testicular affection and a lot of itching was taken as a candidate for the treatment of the invention. In this individual, response to the usual corticosteroid prescription relapsed frequently. We treated such cutaneous disease employing the dog conditioned media as a cutaneous lotion over the wounds, spreading it two times a day during 6 weeks.

[0120] One and a half months after treatment with conditioned media, Pancho is in complete remission as illustrated in FIG. 5.

2nd Case. Treatment of a Siamese Cat Who Suffered from Severe Skin Burn Injuries.

[0121] Five years ago the Siamese cat subject was dropped into a frying pan of boiling oil. 30% of the body was affected, mainly legs and one of the flanks. Initial treatment consisted on silver sulfadiazid, ointment and liquid.

[0122] The cat recovered of the lesions during the first year, but a zone of approximately 10x5 cm was not recovered producing stable lesions over the last 3 years, with continuous exudate and itching.

[0123] We treated such stable lesions employing the dog conditioned media as a cutaneous lotion over the wound, spreading it two times a day during 6 weeks

[0124] One and a half months after treatment with conditioned media, the size of the wound decreased as illustrated in FIG. 6.

3rd Case. Treatment of Psoriasis in a Human being

[0125] Male. 79 years old. Diagnosed of Psoriasis in 1975. The affected areas were the elbows and the right leg, where a large spot from the knee almost to the ankle could be clearly seen. For about eight or ten years small affected areas in hands.

[0126] The human subject suffered numerous treatments, including corticosteroid treatments.

[0127] We treated such stable lesions with dog conditioned media during 35 days, two times per day.

[0128] After employment of the conditioned culture, applied directly on the skin lesions in legs and hands employing a vaporizer, peeling and scales disappeared from the skin.

[0129] The small affected parts of the hands almost disappeared completely. Please refer to FIG. 7.

4th Case. Treatment of Psoriasis in a Human Being

[0130] Female. 37 years old. Diagnosed of Psoriasis Arthritis for more than 10 years.

[0131] Treatment with salazopyrine (4 tablets/day). For acute crises, the treatment consisted of small doses of methotrexate. Such treatment was considered inefficient.

[0132] We treated the lesions produced by the psoriasis with dog conditioned media.

[0133] After 21 days employing the conditioned media, skin peeling and scales diminished notably as shown in FIG. 8.

5th Case. Treatment of Psoriasis in a Human Being

[0134] 58 year old male. Diagnosed of psoriasis in the spring of 1980, with affected areas located in elbows.

[0135] Treatment of cream steroids in areas of major relevance without significant improvement. Change to treatment with petroleum/iodine preparation without positive effects (1981).

[0136] Change to Use of Acetylsalicylic Acid for years without further affecting scaling. (1982)

[0137] Punctual appearance on the scalps that appeared and disappeared and never in a critical or annoying state. (1990- . . .)

[0138] Abandonment of Acetylsalicylic acid and use of a moisturizer in areas of elbows, hands (1996-present).

[0139] We treated the lesions produced by the psoriasis for with dog conditioned media.

[0140] After 36 days employing the conditioned media, skin peeling and scales diminished notably as shown in FIG. 9.

1-10. (canceled)

11. A method of xenogenically treating atopic dermatitis in a human subject, the method comprising administering to the human subject having atopic dermatitis an amount of a composition comprising a conditioned cell culture medium effective for xenogenic treatment of atopic dermatitis in a human subject, the conditioned cell culture medium made by a process comprising:

culturing a population of mesenchymal stromal cells (MSCs) or immortalized cells obtained therefrom, in which at least 50% of said population by number of cells are MSCs obtained from a mammal of the genus